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CPY - SAKA

DC - D13 E19

DR - 0113-U 0134-U 0243-U 1221-U 1655-U 1661-U

FS - CPI

IC - A23L1/30 ; A23L1/305 ; A61K31/07 ; A61K31/195 ; A61K31/70

MC - D03-H01 E10-A07 E10-A17 E10-B01C E10-B02D6 E10-E04H

M3 - [01] H4 H405 H484 H8 J5 J581 K0 L8 L818 L821 L831 M280 M311 M314 M321  
M332 M342 M344 M349 M381 M392 M416 M620 M782 M903 M910 Q211 R022 R038

- [02] H1 H101 H182 J0 J011 J1 J171 M280 M315 M321 M332 M343 M349 M381  
M391 M416 M620 M782 M903 M910 Q211 R022 R038

- [03] H1 H100 H181 J0 J011 J1 J171 K0 L2 L250 M280 M314 M321 M332 M343  
M349 M381 M391 M416 M620 M782 M903 M910 Q211 R022 R038

- [04] H1 H100 H181 J0 J011 J1 J171 M280 M315 M321 M333 M340 M342 M349  
M381 M391 M416 M620 M782 M903 M910 Q211 R022 R038

- [05] G010 G100 H1 H100 H181 J0 J011 J1 J171 M280 M312 M321 M332 M343  
M349 M371 M391 M414 M510 M520 M531 M540 M782 M903 M910 Q211 R022 R038

- [06] H4 H403 H483 H8 M280 M313 M321 M332 M343 M383 M391 M416 M620 M782  
M903 M910 Q211 R022 R038

PA - (SAKA) OTSUKA PHARM CO LTD

PN - JP61215323 A 19860925 DW198645 012pp

- JP6047547B B2 19940622 DW199423 A61K31/70 015pp

PR - JP19850056312 19850320

XA - C1986-127533

XIC - A23L-001/30 ; A23L-001/305 ; A61K-031/07 ; A61K-031/195 ; A61K-031/70

AB - J61215323 New, effective refreshments are prepd. by blending fructose/  
glycerine and an amino acid/acids having an action of accelerating  
insulin secretion, pref. in the proportion of 0.15-1 wt. pt. of the  
amino acid/acids to one pt. of the fructose/glycerine. The  
insulin-secretion-accelerating amino acids are arginine, lysine,  
leucine, and phenylalanine, of which arginine and lysine are pref.

- The amino acids may be used both in their free form and as their metal  
salts, inorganic and organic salts, N-acyl derivs., and peptides.  
Available forms are candies, drops, chocolates, jellies, biscuits,  
cookies, etc.

- USE/ADVANTAGE - The refreshments have an action of making ingested  
sugar to transfer from the blood into the cells and to be stored as  
glycogen, without having any adverse effect on the lipid metabolism.  
They are thereby very effective for replenishing nutrition and  
restoring when exhausted, e.g. after hard exercises. (12pp Dwg.No.0/5)

IW - REFRESHMENT RESTORATION AFTER EXERCISE COMPRISE BLEND FRUCTOSE  
GLYCEROL AMINO ACID INSULIN SECRETION EFFECT

IKW - REFRESHMENT RESTORATION AFTER EXERCISE COMPRISE BLEND FRUCTOSE  
GLYCEROL AMINO ACID INSULIN SECRETION EFFECT

NC - 001

OPD - 1985-03-20

ORD - 1986-09-25

PAW - (SAKA) OTSUKA PHARM CO LTD

TI - Refreshments for restoring after exercises - comprises blend of  
fructose, glycerine and amino acids that have insulin secreting effect